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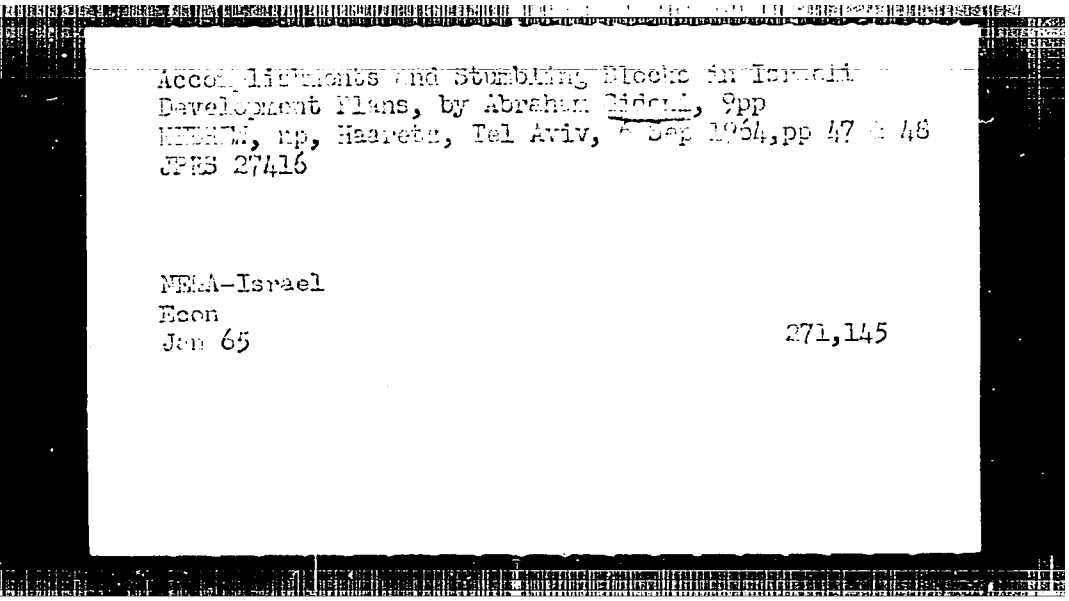

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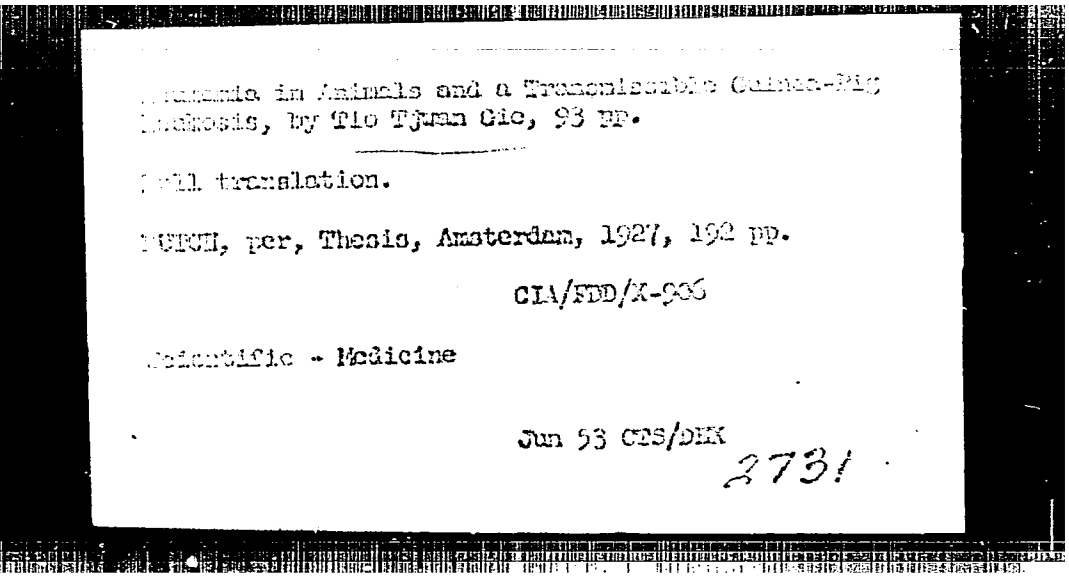

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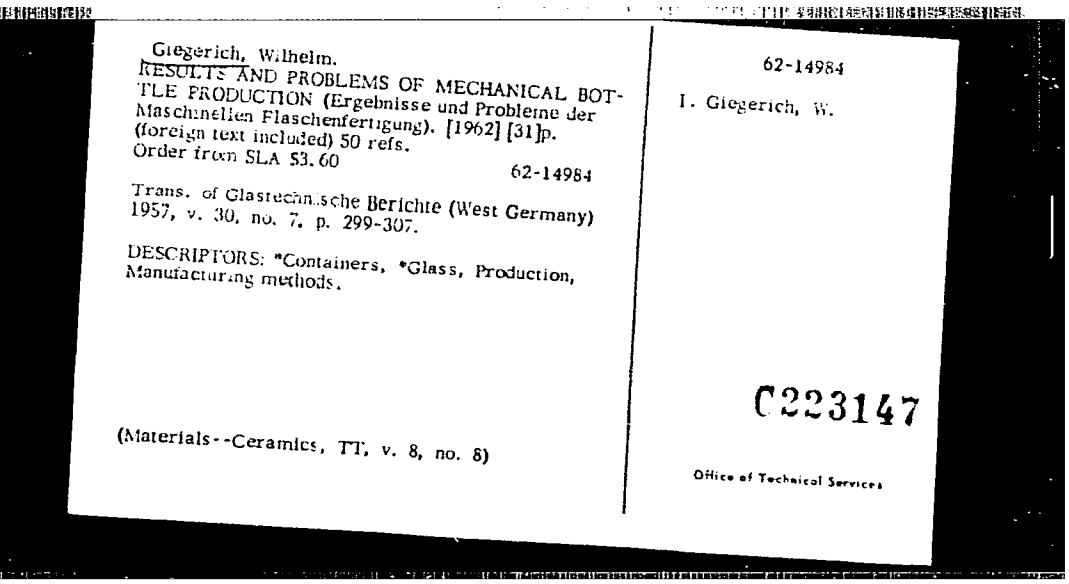

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(Materials--Ceramics, TT, v. 8, no. 8)

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(Materials--Ceramics, TT, v. 6, no. 1) (over)

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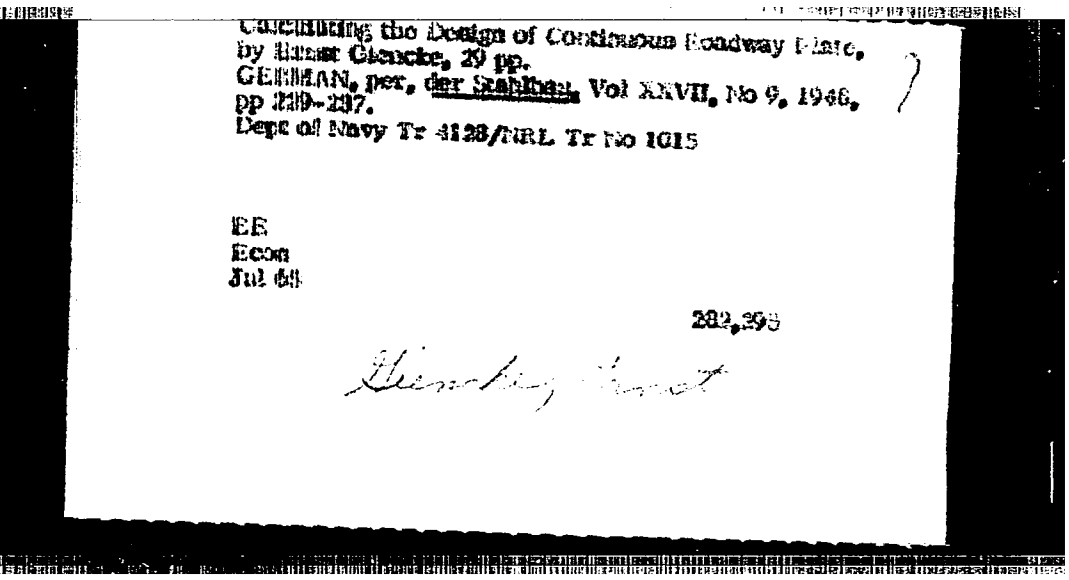

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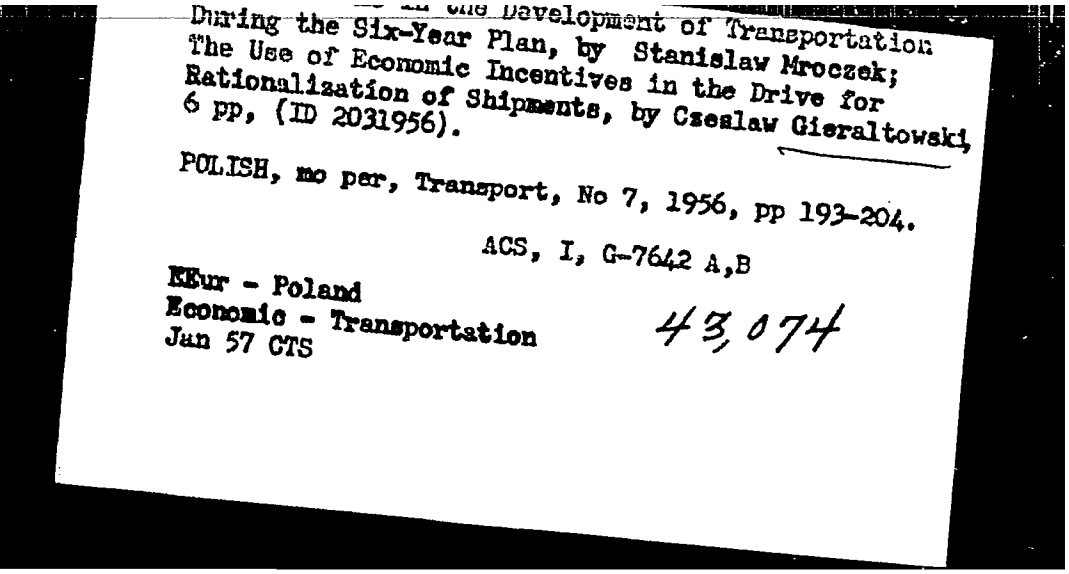

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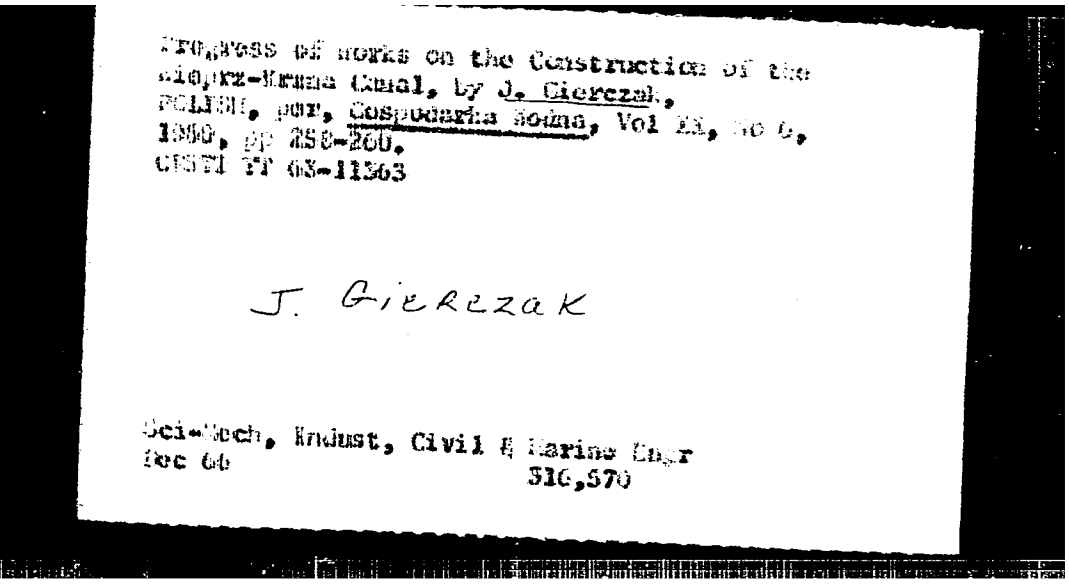

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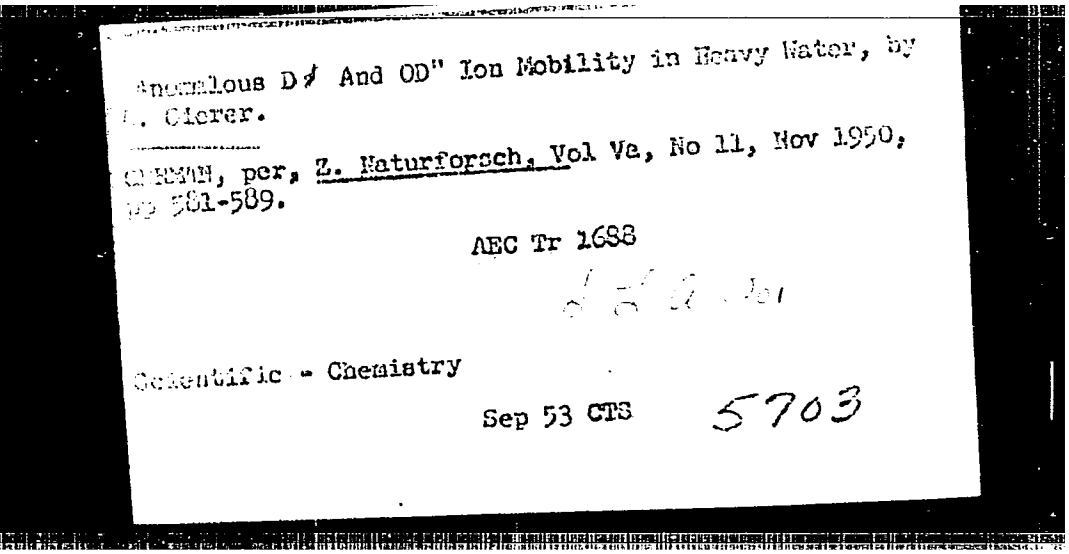

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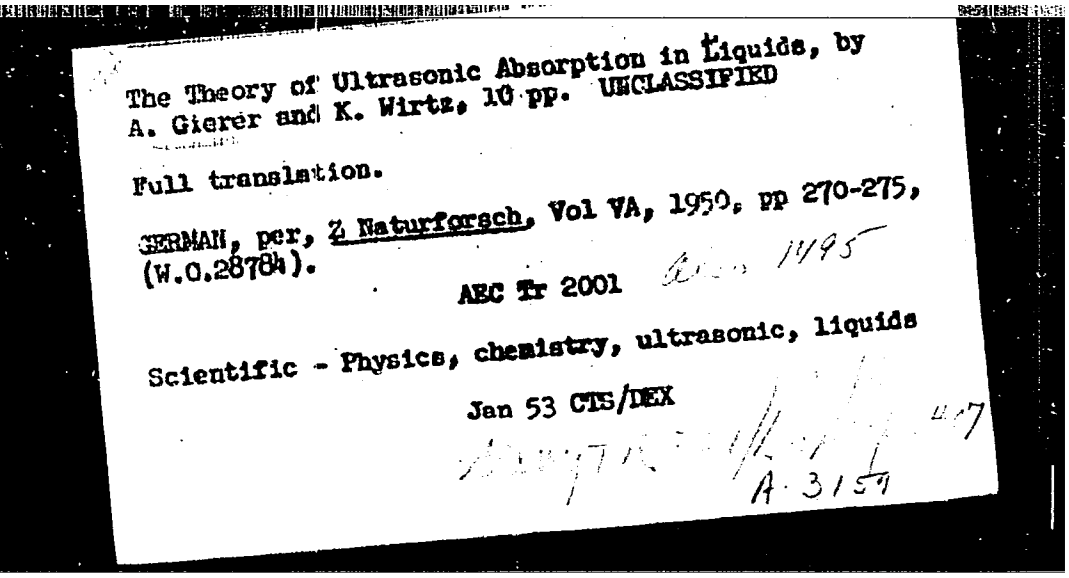

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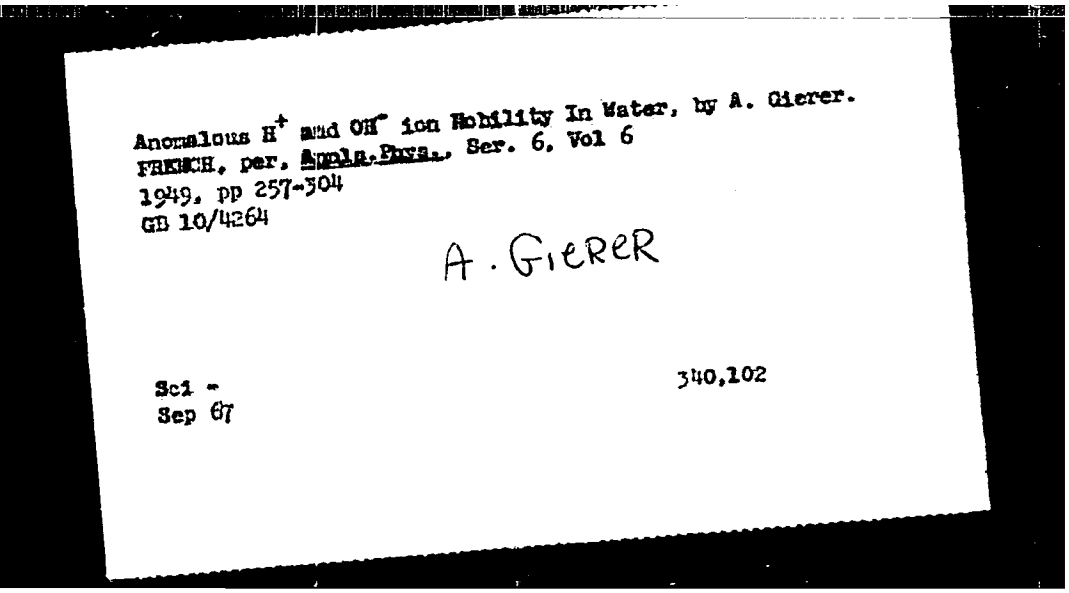

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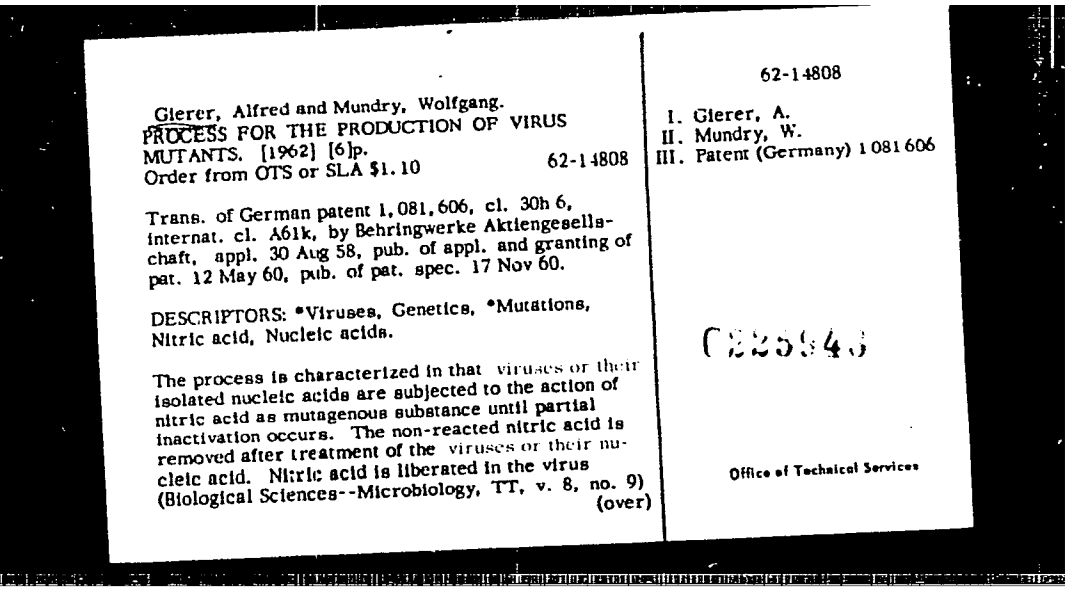

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PROCESS FOR THE PRODUCTION OF VIRUS MUTANTS. [1962] [6]p.
Order from OTS or SLA $1.10 62-14808

Trans. of German patent 1,081,606, cl. 30h 6, internat. cl. A61k, by Behringwerke Aktiengesellschaft, appl. 30 Aug 58, pub. of appl. and granting of pat. 12 May 60, pub. of pat. spec. 17 Nov 60.

DESCRIPTORS: *Viruses, Genetics, *Mutations, Nitric acid, Nucleic acids.

The process is characterized in that viruses or their isolated nucleic acids are subjected to the action of nitric acid as mutagenous substance until partial inactivation occurs. The non-reacted nitric acid is removed after treatment of the viruses or their nucleic acid. Nitric acid is liberated in the virus
(Biological Sciences--Microbiology, TT, v. 8, no. 9)
(over)

62-14808

I. Gierer, A.
II. Mundry, W.
III. Patent (Germany) 1 081 606

C225943

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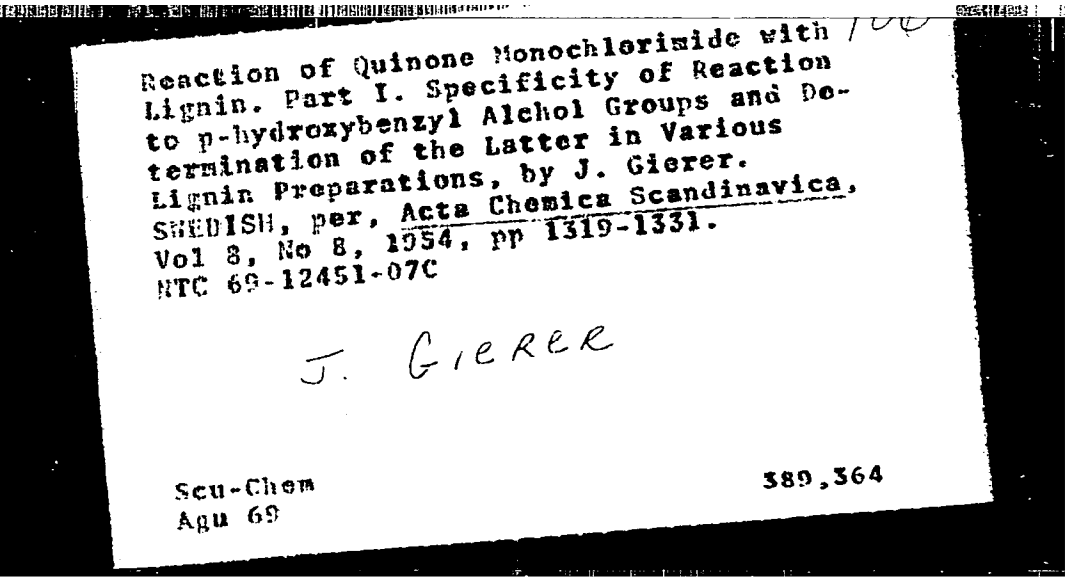

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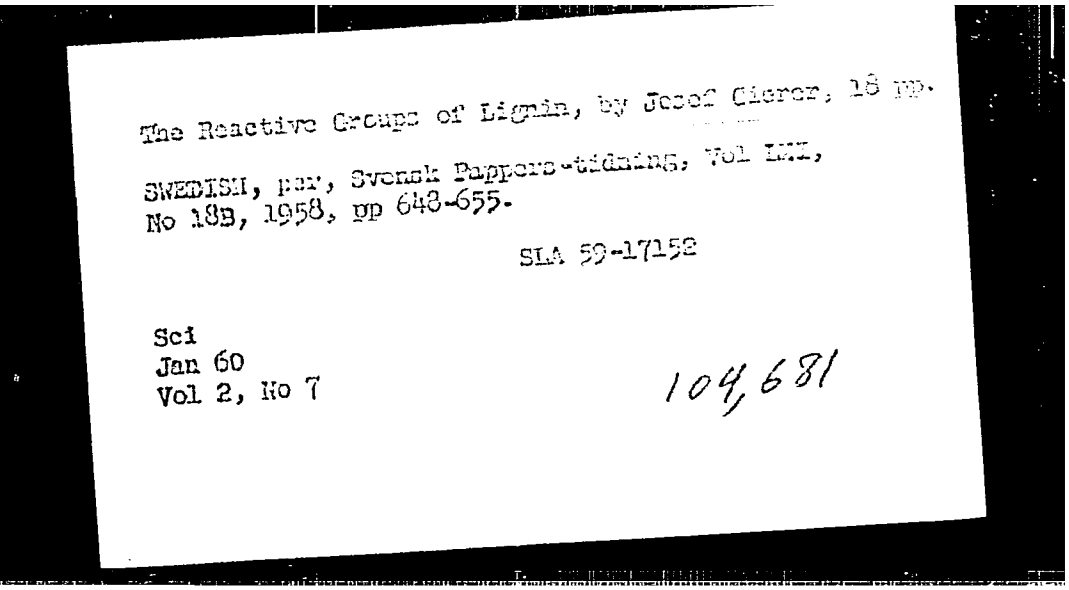

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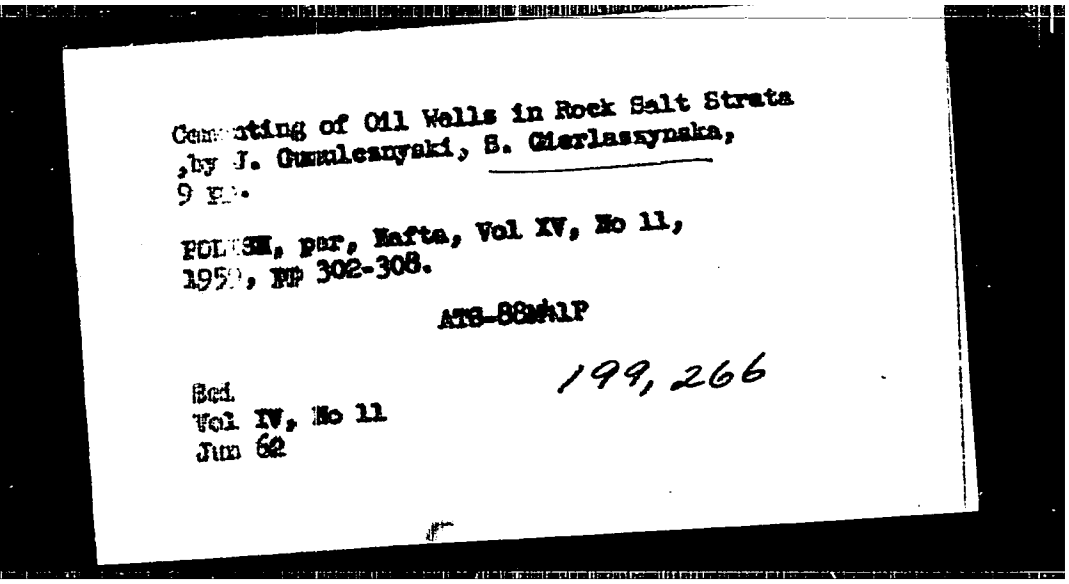

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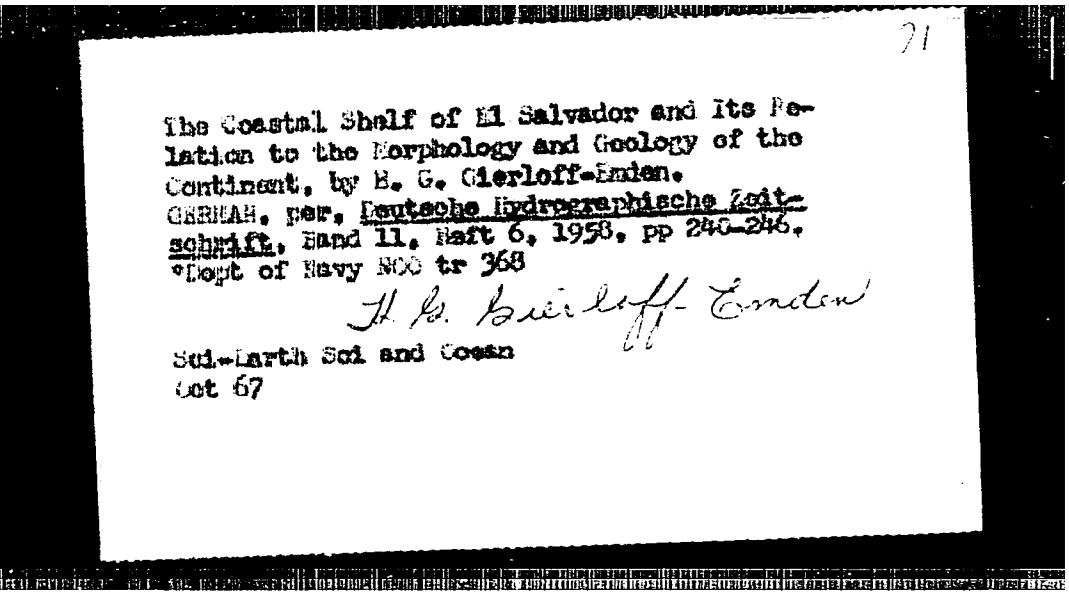

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NORWEGIAN, per, Norsk Skogindustri, Vol 14, No 8,
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NTC-71-10481-11L.

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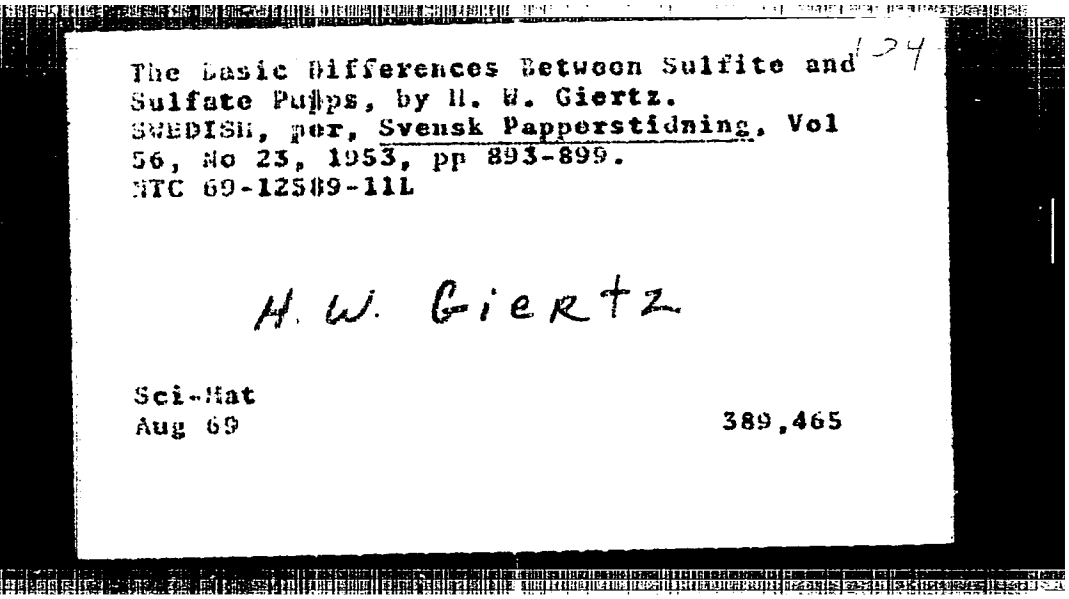

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BLEACHED MAGNESIUM BISULPHITE PULP. [1961]
[15]p. 12 refs.
Order from SLA $1.60 61-10850

Trans. of Norsk Skogindustri (Norway) 1960, v. 14, no. 10, p. 369-377.

DESCRIPTORS: Sulfites, *Wood pulp, Processing, Sulfate pulp, Mechanical properties, *Bleaching agents.

The unbleached magnesium-bisulfite pulp is characterized by high yield and high strength. When bleached with the sequence chlorine-alkali-chlorine dioxide, a large part of the high yield is lost. The optimum yield of bleached pulp is about 50% compared with 47 to 48% for sulfur dioxide-calcium-sulfite pulp. Magnesium-bisulfite pulp retains its good strength after bleaching. The bleached pulp is somewhat more difficult to beat than the unbleached, but it has the same high breaking and burst strength as the unbleached pulp, which is com-
(over)
(Materials--Wood, TT, v. 6, no. 5)

61-10850

1. Giertz, H. W.
II. Lunde, L. T.

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Giertz, H[ans] W[ilhelm] and Helle, T[orbjoern].
ON THE TEAR STRENGTH OF PAPER. Apr 61, 15p.
(23 figs. omitted) 10 refs.
Order from SLA $1.60 61-16455

Trans. of Norsk Skogind[ustri] (Norway) 1960, v. 14, no. 11, p. 455-469.

DESCRIPTORS: *Paper, Wood pulp fibers, Mechanical properties, Microstructure, Test methods.

In this essay, the theories on tearing strength are reviewed, with emphasis on the theory of Van den Akker. The factors determining the tearing strength are of two types; the fibre properties, such as fibre length and strength, and the paper microstructural factors. Among the latter, fibre bindings and paper extensibility are considered to be of particular importance. The influence of these two types of factors on paper tearing strength is illustrated by some simple experiments designed to check the validity of current theories. The
(Materials--Paper, TT, v. 6, no. 4) (over)

61-16455
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II. Helle, T.

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Giertz, H[ans] W[ilhelm].
PULP FOR FINE PAPERS FROM SMALL FIBRES.
[1961] [15]p. 15 refs.
Order from SLA mi$2.40, ph$3.30 61-10390

Trans. of Norsk Skogindustri (Norway) 1960, v. 14, no. 8, p. 281-291.

Small fibred pulp may be used for fine paper, and it possesses characteristics, which are especially suited for it. It gives good formation and surface with a minimum of beating.

(Materials--Paper, TT, v. 5, no. 12)

61-10390

1. Paper--Production
2. Wood pulp--Properties
I. Giertz, H. W.

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POLISH, rpt, publ by Institute of Nuclear Research Warsaw and Institute for Physics of Czechoslovakia Academy of Sciences, Prague.

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Sci - Nuclear Physics
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